

List of All Chemicals

P *Atractylodes lancea* (Asteraceae)

Common name(s)

Cang Zhu

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
2-FURALDEHYDE	Rhizome	--	--		*
Activities (3)					
Juvabional 1 ppm	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.				
Larvicide 1 ppm	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.				
Pesticide					
3-BETA-ACETOXYTRACTYLON	Rhizome	--	--		*
3-BETA-HYDROXYTRACTYLON	Plant	--	--		*
ACETYLATRACTYLODINOL	Rhizome	--	--		*
ATRACTYLODIN	Rhizome	--	--		*
Activities (4)					
Antibacterial					
Choleretic					
Fungicide					
Pesticide					
ATRACTYLODINOL	Rhizome	--	--		*
Activities (1)					
ACE-Inhibitor IC50=50 uM					
ATRACTYLON	Rhizome	--	--		*
Activities (7)					
5-Lipoxygenase-Inhibitor					
ATPase-Inhibitor					
Antiinflammatory					
Antioxidant					
Antitumor (Esophagus)					
Hepatoprotective	Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W. -W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 210.				
Prooxidant					
BETA-EUDESMOL	Rhizome	--	--		*
Activities (13)					
AntiEBV					
Antianoxic ED60=300 orl mus	Yamahara, J., Matsuda, H., Naitoh, Y., Fujimura, H., and Tamai, Y. 1990. Antianoxic Action and Active Constituents of Atractylodis Lanceae Rhizoma. Chem. Pharm. Bull. 38(7): 2033-2034, 1990.				
Antimutagenic ID50=0.09 uM/ml					
Antipeptic	Chem & Pharm. Bull., 34: 3854, 1986.				
Antisalmonella >0.18 uM/ml					
Antitumor-Promoter?					
Antiulcer					
CNS-Inhibitor					
Calcium-Antagonist 40 uM mus					

Neurogenic
Pesticide
Sedative

BETA-SELINENE

Rhizome

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Activities (3)

- Antimalarial IC50=>50 ug/ml Rukunga, G. and Simons, A. J. 2006. The Potential of Plants as a Source of Antimalarial Agents - A Review. Africa Herbal Antimalaria Meeting. PlantaPhile Publications, Berlin. 72 pp.
- Antiplasmodial IC50=>50 ug/ml Rukunga, G. and Simons, A. J. 2006. The Potential of Plants as a Source of Antimalarial Agents - A Review. Africa Herbal Antimalaria Meeting. PlantaPhile Publications, Berlin. 72 pp.
- Perfumery Aloe Research Council - Duke write up of non-peer reviewd book by Coats and draft by Henry

CALCIUM

Rhizome

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11300.0

0.95

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Activities (28)

- AntiPMS 1 g/day
- Antiallergic 500 mg/day
- Antianxiety
- Antiarrhythmic 500-1,500 mg
- Antiarthritic 1,000 mg/day
- Antiatherosclerotic 500 mg/day
- Anticlimacteric 1,000-1,500 mg/day
- Antidepressant
- Antidote (Aluminum)
- Antidote (Lead)
- Antihyperkinetic
- Antihypertensive
- Antiinsomniac
- Antimenopausal 1,000-1,500 mg/day
- Antiobesity
- Antiosteoporotic 500-2,000 mg/day
- Antiperiodontitic 750 mg/day
- Antirheumatic 1,000 mg/day
- Antistress 500-1,500 mg/day
- Antitic
- Anxiolytic 500-1,500 mg/day
- Calcium-Channel-Blocker
- Diuretic
- Hypocholesterolemic 500 mg/day
- Hypotensive 1 g/day
- Laxative 1,000-1,200 mg
- Tranquilizer 500-1,500 mg/day
- Vasodilator
- Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
- Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
- Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
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- Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
- Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
- Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
- Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
- Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
- Martindale's 28th
- Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
- Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.

COPPER

Rhizome

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12.0

0.33

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Activities (12)

- Antianemic
- Antiarthritic
- Antidiabetic 2-4 mg/day
- Antifatigue
- Antiinflammatory
- Antinociceptive
- Antiosteoporotic
- Cardioprotective
- Contraceptive
- Hypocholesterolemic
- Immunomodulator
- Schizophrenogenic
- Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
- Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
- Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
- Martindale's 28th
- Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
- Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.

ELEMOL

Rhizome

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Activities (2)

- Antiacetylcholinesterase IC50=34 ug/ml
- Antulcer

FURFURAL	Rhizome	--	--	--	*
Activities (6)					
Antiseptic	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.				
FLavor FEMA 1-30	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Fungicide					
Insecticide					
Irritant	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.				
Pesticide					
HINESOL	Rhizome	--	--	--	*
Activities (3)					
Antipeptic					
CNS-Inhibitor					
Hepatoprotective	Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W. -W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 210.				
IRON	Rhizome	--	290.0	-0.21	*
Activities (6)					
Antiakathisic	Martindale's 29th				
Antianemic	Martindale's 29th				
Anticanker					
Anticheilitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antimennorrhagic 100 mg/day/wmn/orl	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Prooxidant					
L-ALPHA-BISABOLOL	Rhizome	--	--	--	*
MAGNESIUM	Rhizome	--	790.0	-0.88	*
Activities (65)					
AntiCFS					
AntiLyme 400-1,000 mg					
AntiMS					
AntiPMS 400-800 mg/day/wmn/orl					
AntiPMS 400-800 mg/day/wmn orl					
AntiRaynaud's 280-350 mg/day					
Antiaggregant 400 mg/day					
Antialcoholic					
Antianginal 400 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antianorectic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antianxiety 400 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antiarrhythmic 400 mg/day					
Antiarthritic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antiasthmatic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Antiatherosclerotic 400 mg/day					
Anticephalagic					
Anticlimacteric 500-750 mg/day					
Anticonvulsant	Facciola, S. 1998. Cornucopia - A Source Book of Edible Plants. Kampong Publications, Vista CA. 713 pp.				
Anticorony 400 mg/day	Chalem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95				
Antidepressant	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antidiabetic 400-800 mg/man/day					
Antidysmenorrhic 100 mg 4 x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antiedometriotic 500 mg/day					
Antienterotic					
Antiepileptic 450 mg/day					
Antifatigue					
Antifibromyalgic 200-300 mg 3x/day					
Antigastrotic					
Antiglauconic					

Antihypertensive	
Antihypoglycemic	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
Antiinflammatory 100 mg 4 x/day	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
Antiinsomniac	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
Antilithic	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antimastalgic	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antimenopausal 500-750 mg/day	
Antimigraine 200 mg/day/man	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
Antimital-valve-prolapse	
Antinephrolytic	
Antineurotic	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
Antosteoporotic 500-1,000 mg/day/wmn/orl	
Antiplaque 500-1,000 mg/day	
Antiretinopathic 400 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. <i>Syndrome X - The complete nutritional program to prevent and reserve insulin resistance</i> . John Wiley & Sons, New York. 272 pp. \$24.95
Antispasmodic	
Antispasmophilic 500 mg/day	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
Antistress 500-750 mg/day	
Antistroke 400 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. <i>Syndrome X - The complete nutritional program to prevent and reserve insulin resistance</i> . John Wiley & Sons, New York. 272 pp. \$24.95
Antisyndrome-X 400 mg/man/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. <i>Syndrome X - The complete nutritional program to prevent and reserve insulin resistance</i> . John Wiley & Sons, New York. 272 pp. \$24.95
Anxiolytic 500-750 mg/day	
CNS-Depressant	Facciola, S. 1998. <i>Cornucopia - A Source Book of Edible Plants</i> . Kampong Publications, Vista CA. 713 pp.
Calcium-Antagonist	
Cardioprotective	
Diuretic	
Hypocholesterolemic 400 mg/day	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
Hypotensive 260-500 mg/day	
Immunomodulator	
Insulinogenic 400 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. <i>Syndrome X - The complete nutritional program to prevent and reserve insulin resistance</i> . John Wiley & Sons, New York. 272 pp. \$24.95
Laxative 300-500 mg/day	
Litholytic	
Myorelaxant 100 mg 4 x/day	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
Neurotransmitter	
Tranquilizer 500-750 mg/day	
Uterorelaxant 100 mg 4 x/day	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
Vasodilator	

MANGANESE

Rhizome -- 39.0 -0.58 *

Activities (14)

AntiPMS	
Antialcoholic	Forest H. Nielsen, USDA, Grand Forks, various publications.
Antianemic	Martindale's 28th
Antiarthritic	
Antidiabetic 3-5 mg/day	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
Antidiabetic 10-30 mg/man/day	
Antidiscotic	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
Antidyskinetic	Martindale's 28th
Antiepileptic 450 mg/day	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
Antosteoporotic	
Antitoxic	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
Antioxidant	
Antisyndrome-X 10-30 mg/man/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. <i>Syndrome X - The complete nutritional program to prevent and reserve insulin resistance</i> . John Wiley & Sons, New York. 272 pp. \$24.95
Hypoglycemic 10-30 mg/man/day	

POTASSIUM

Rhizome -- 6210.0 -0.75 *

Activities (14)

Angiotensin-Receptor-Blocker	
Antiarrhythmic	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
Antidepressant	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
Antifatigue	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.

Antispasmodic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antistroke					
Anxiolytic					
Beta-Blocker					
Cardioprotective 3,000-5,000 mg					
Cardiotoxic 18,000 mg/man/day					
Diuretic					
Hypotensive					
Vasodilator					
SODIUM	Rhizome	--	197.0	-0.4	*
Activities (1)					
Hypertensive	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
ZINC	Rhizome	--	33.0	-0.31	*
Activities (77)					
ACE-Inhibitor					
Analgesic					
AntiBPH 25-60 mg/day					
AntiCrohn's	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
AntiHIV					
Antiacne 135 mg/day					
Antiacrodermatitic 8-34 mg/day/orl/chd	Martindale's 29th				
Antialcoholic					
Antialopelcic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antialzheimeran 50 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antiangiogenic					
Antianorexic	Martindale's 29th				
Antiarthritic 50 mg/3x/day/orl/man					
Anticanker 100 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Anticataract 30 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Anticoeliac	Martindale's 28th				
Anticold 50 mg	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Anticolitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Anticorony 30 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95				
Antidandruff	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antidementia					
Antidiabetic 30 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95				
Antidote (Cadmium)	Let's Live, May 1989.				
Antidysgeuzic					
Antieczemic 150 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antinecephalopathic	Martindale's 29th				
Antiepileptic 100 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antifibrotic 30 mg					
Antifuruncular 45 mg/3x/day/man	Martindale's 28th				
Antihangover 15 mg					
Antiherpetic? 25-60 mg/day					
Antiimpotence	Martindale's 29th				
Antiinfective 50 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antiinfertility 60 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antiinsomniac	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antilepric	Martindale's 29th				
Antileukonychic					
Antilymphomeric					
Antimaculitic					
Antimetastatic					
Antineuropathic					
Antinyctalopic					
Antiobesity 30 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95				
Antosteoporotic					
Antiperiodontic					

Antiprolactin	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiprostatic 50 mg/man/day/orl	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antirheumatic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiseptic 50 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antispare-Tire 30 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
Antistomatitic 50 mg/man/3x/day	Martindale's 28th
Antisyndrome-X 30 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
Antitinnitic 60-120 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antitriglyceride 30 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
Antiulcer 50 mg/3x/day/man	Martindale's 28th
Antiulcer 88 mg/rat/day/15 days	
Antiviral?	Martindale's 29th
Astringent	Martindale's 28th
Collagenic	
Copper-Antagonist	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
Deodorant	Martindale's 29th
Detoxicant (Alcohol)	
Ergogenic	
Hypotensive 30 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
Immunomodulator	
Immunostimulant	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Immunosuppressant 300 mg/day/6 wks/orl/man	Martindale's 29th
Insulinogenic 30 mg/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
Leptogenic 30-60 mg/man/day	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
Mucogenic	Li, K.M. Effect of zinc sulphate on acetic acid-induced gastric ulceration in rats. <i>J. Pharm. Pharmacol.</i> 42: 657-659, 1990.
NF-kB-Inhibitor	
Pesticide	
Spermigenic 60 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Testosteronogenic 60 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Trichomonicide	Martindale's 29th
Vulnerary	Martindale's 28th